ABSTRACT OF THE DISCLOSURE

2	An eye diagram analyzer equips each SUT data and clock signal channel with
	individually variable delays. A specified combination (data signal delay, threshold and
4	which channel) is a location on an eye diagram, although the trace may or may not ever
	go through that location. A counter counts the number of SUT clock cycles used
6	and another counter counts the number of times the specified combination of conditions
	was met ("hits"). After watching a specified combination for the requisite length of time
8	or number of events, the number of SUT clock cycles involved and the associated number
	of hits are stored in memory using a data structure indexed by the specified combination.
10	The process is repeated until all possible combinations within a stated range of data signal
	delay and threshold voltage (using specified resolution/step sizes for delay and voltage)
12	have been investigated.